

SEQUENCE LISTING

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<110> Collins, Peter L.

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Whitehead, Stephen S.

<120> PRODUCTION OF ATTENUATED CHIMERIC RESPIRATORY SYNCYTIAL VIRUS VACCINES FROM CLONED NUCLEOTIDE SEQUENCES

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<141> 1999-04-13

<150> US 08/892,403

<151> 1997-07-15

<150> US 60/047,634

<151> 1997-05-23

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<150> US 60/021,773

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<160> 21

<170> PatentIn Ver. 2.0

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### **Positive-sense M gene fragment**

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Positive-sense primer upstream of SH gene

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Negative-sense M gene fragment

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<210> 12  
<211> 27  
<212> DNA  
<213> Artificial Sequence  
  
<220>

<223> Description of Artificial Sequence: Reverse PCR  
primer for NS2 gene deletion

<400> 12  
gttttatatt aactaatggc gtttagtg 27

<210> 13  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Forward PCR primer for ablation of G gene start site

<400> 13  
ttataattgc agccatcata ttcatagcct cgg

33

<210> 14  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Reverse PCR primer for ablation of G gene start site

<400> 14  
gtgaagttga gattacaatt gccagaatgg

30

<210> 15  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Positive-sense primer for intergenic region preceding the G gene

<400> 15  
gcatggatcc ttaattaaaa attaacataa tgatgaatta ttagtatg

48

<210> 16  
<211> 51  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Negative-sense primer for intergenic region downstream of F gene

<400> 16

gtgttggatc ctgattgcat gcttgagggtt tttatgtaac tatgagttaa g 51

<210> 17  
<211> 13  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: G gene-end signal

<400> 17  
agttattcaa aaa 13

<210> 18  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Positive-sense primer with G gene-end and F gene-start signals

<400> 18  
ccacgcctaa tgagttatat aaaacaattg gggcaaataa ccatggag 48

<210> 19  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Negative-sense primer with G gene-end and F gene-start signals

<400> 19  
gactgagtgt tctgagttaga gttggatgta gagggctcg 46  
atgctg

<210> 20  
<211> 12  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: F gene-end signal of RSV A2

<400> 20  
agttatataa aa

12

<210> 21  
<211> 13  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: G gene-end  
signal of RSV A2

<400> 21  
agttacttaa aaa

13

17

237